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PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Stanwood, et al. )  
App. No. : 09/316,518 )  
Filed : May 21, 1999 )  
For : METHOD AND APPARATUS FOR )  
ALLOCATING BANDWIDTH IN A )  
WIRELESS COMMUNICATION )  
SYSTEM )  
Examiner : Unassigned )

ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION  
AND  
REVOCATION AND POWER OF ATTORNEY

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventor(s) to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventor(s) to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 620 Newport Center Drive, Sixteenth Floor, Newport Beach, California 92660, Telephone

App. No. : 09/316,518  
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(949) 760-0404, **Customer No. 20,995**, as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use **Customer No. 20,995** for all communications.

ENSEMBLE COMMUNICATIONS, INC.

Dated: Sept. 11, 2000

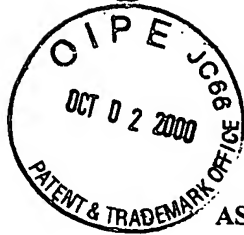
By:   
Sheldon L. Gilbert

Title: Executive Vice President,  
Engineering and Operations

Address: 9890 Towne Centre Drive,  
San Diego, CA 92121

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081400

Application No.: 09/316,518  
Filing Date: May 21, 1999



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ASSIGNMENT

WHEREAS, We, Kenneth L. Stanwood, a United States citizen, residing at 2403 Montgomery Avenue, Cardiff by the Sea, California 92007; James F. Mollenauer, a United States citizen, residing at 37 Silver Birch Road, Newton, Massachusetts 02468; Israel Jay Klein, a United States citizen, residing at 5260 Fiore Terrace, Apt. #214, San Diego, California 92122; Sheldon L. Gilbert, a United States citizen, residing at 12710 Monterey Cypress Road, San Diego, California 92122; and Rami Hadar, a Israel citizen, residing at 5361 Renaissance Avenue, San Diego, California 92122, have invented certain new and useful improvements in a **METHOD AND APPARATUS FOR ALLOCATING BANDWIDTH IN A WIRELESS COMMUNICATION SYSTEM** for which we have filed an application for Letters Patent in the United States, Application No. 09/316,581, filed May 21, 1999;

AND WHEREAS, Ensemble Communications, Inc. (hereinafter "ASSIGNEE"), a California Corporation, with its principal place of business at 9890 Towne Centre, San Diego, California 92121, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.



COPY

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 18 day of August, 2000

KENNETH L. STANWOOD

STATE OF

COUNTY OF

ss.

On 8-18-00, before me, KATHLEEN CAHILL, personally appeared KENNETH L. STANWOOD personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Kathleen Cahill  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

JAMES F. MOLLENAUER

STATE OF

COUNTY OF

ss.

On \_\_\_\_\_, before me, \_\_\_\_\_, personally appeared JAMES F. MOLLENAUER personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Notary Signature

Application No.: 09/316,518  
Filing Date: May 21, 1999



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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
KENNETH L. STANWOOD

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

} ss.

On \_\_\_\_\_, before me, \_\_\_\_\_, personally appeared KENNETH L. STANWOOD personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

\_\_\_\_\_  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29 day of August, 2000

James F. Mollenauer  
JAMES F. MOLLENAUER

STATE OF MASSACHUSETTS  
COUNTY OF MIDDLESEX } ss.

On AUG 29/2000 before me, Rachel M. Grant, personally appeared JAMES F. MOLLENAUER personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Rachel M. Grant  
Notary Signature  
RACHEL M. GRANT, Notary Public  
My Commission Expires Oct. 29, 2002



COPY



IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 7<sup>th</sup> day of Sept, 2000

ISRAEL JAY KLEIN

STATE OF CALIFORNIA  
COUNTY OF SAN DIEGO ] ss.

On SEPT 7, 2000, before me, KATHLEEN CAHILL, personally appeared ISRAEL JAY KLEIN personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Kathleen Cahill  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 18<sup>th</sup> day of August, 2000

SHELDON L. GILBERT

STATE OF  
COUNTY OF ] ss.

On 8-18-00, before me, KATHLEEN CAHILL, personally appeared SHELDON L. GILBERT personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

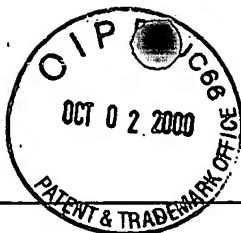
WITNESS my hand and official seal.

[SEAL]



Kathleen Cahill  
Notary Signature

Application No.: 09/316,518  
Filing Date: May 21, 1999

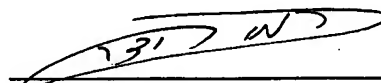


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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 18<sup>th</sup> day of AUG., 2000

  
RAMI HADAR

STATE OF

COUNTY OF

]


ss.

On 8-18-00, before me, KATHLEEN CAHILL, personally appeared RAMI HADAR personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



  
Notary Signature